

S/N: 10/629,197

date: 1-22-04

((magnet\$3resist\$5 or MR) same ((position with (detect\$5 or sens\$5))			
4 same phase same (lens or optical))) and auto\$2focus	USPAT; US-PGPUB; IBM_TDB	1/21/04 11:28	
((magnet\$3resist\$5 or MR) same ((position with (detect\$5 or sens\$5))			
22 same phase same (lens or optical))	USPAT; US-PGPUB; IBM_TDB	1/21/04 11:27	
((359/813,814,819,822,823,824,811) or (396/526) or (362/455) or			
3213 (353/100)).CCLS.			
1 morimoto-yosuke\$8.in.	USPAT; US-PGPUB; IBM_TDB	1/21/04 10:30	
4 5208535.URPN.	USPAT; US-PGPUB; IBM_TDB	1/21/04 10:30	
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127)	USPAT	1/20/04 14:29	
or (362/455) or (353/100) or (324/207.11-207.26)).CCLS.) and (position			
same (detect\$5 or sens\$5) same phase)) and lens) and			
14 magnet\$3resist\$5	USPAT; US-PGPUB; IBM_TDB	1/20/04 14:27	
45592 magnet\$3resist\$5 or MR	USPAT; US-PGPUB; IBM_TDB	1/20/04 14:27	
3 6097183.URPN.	USPAT	1/20/04 13:19	
("4221056" "4462083" "4481464" "4987414" "5184062"			
"5192917" "5353019" "5414516" "5432443" "5453684" "5485407"			
13 "5535142" "5625310").PN.	USPAT	1/20/04 13:15	
2 5909115.URPN.	USPAT	1/20/04 13:14	
0 5770942.URPN.	USPAT	1/20/04 13:12	
11 5453684.URPN.	USPAT	1/20/04 13:09	
3521 (position with (detect\$5 or sens\$5)) and magnet\$3resist\$5	USPAT; US-PGPUB; IBM_TDB	1/20/04 13:04	
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127) or			
(362/455) or (353/100) or (324/207.11-207.26)).CCLS.) and (position			
611 same (detect\$5 or sens\$5) same phase)	USPAT; US-PGPUB; IBM_TDB	1/20/04 13:04	
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127) or			
(362/455) or (353/100) or (324/207.11-207.26)).CCLS.) and (position			
83 same (detect\$5 or sens\$5) same phase)) and lens	USPAT; US-PGPUB; IBM_TDB	1/20/04 13:04	
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127) or			
7093 (362/455) or (353/100) or (324/207.11-207.26)).CCLS.	USPAT; US-PGPUB; IBM_TDB	1/20/04 13:03	
33033 position same (detect\$5 or sens\$5) same phase	USPAT; US-PGPUB; IBM_TDB	1/20/04 13:03	
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127) or			
3634 (362/455) or (353/100)).CCLS.	USPAT; US-PGPUB; IBM_TDB	1/20/04 13:02	
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127) or			
(362/455) or (353/100)).CCLS.) and ((position with (detect\$5 or			
14 sens\$5)) and magnet\$3resist\$5)	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:56	
1 morimoto-yosuke\$8.in.	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:56	
317254 position with (detect\$5 or sens\$5)	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:54	
3 ("5291335" "5909320" "6002530").PN.	USPAT	1/20/04 12:54	
5 5291335.URPN.	USPAT	1/20/04 12:49	
((lens adj position\$5) same phase same (detect\$5 or sens\$5)) and			
(((359/813,814,819,822,823,824,811,696,694) or (396/526,116,127) or			
5 (362/455) or (353/100)).CCLS.)	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:46	
13738 lens adj position\$5	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:45	
169 (lens adj position\$5) same phase same (detect\$5 or sens\$5)	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:45	
(((359/813,814,819,822,823,824,811) or (396/526) or (362/455) or			
(353/100)).CCLS.) and ((position with (detect\$5 or sens\$5)) same			
22 phase same (lens or optical))	USPAT; US-PGPUB; IBM_TDB	1/20/04 12:44	
15 4534624.URPN.	USPAT	1/20/04 12:36	
10 3917394.URPN.	USPAT	1/20/04 11:44	
2959 (position with (detect\$5 or sens\$5)) same phase same optical	USPAT; US-PGPUB; IBM_TDB	1/20/04 11:43	
3391 (position with (detect\$5 or sens\$5)) same phase same (lens or optical)	USPAT; US-PGPUB; IBM_TDB	1/20/04 11:43	

21057 (position with (detect\$5 or sens\$5)) same phase

USPAT; US-PGPUB; IBM_TDB 1/20/04 11:42